

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number  
**WO 2005/092030 A2**

(51) International Patent Classification: Not classified

(21) International Application Number:  
PCT/US2005/009349

(22) International Filing Date: 22 March 2005 (22.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/555,207 22 March 2004 (22.03.2004) US

(71) Applicant (for all designated States except US): UNIVERSITY OF PENNSYLVANIA [US/US]; 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104-6283 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GEWIRTZ, Alan, M.; 716 Clarendon Road, Penn Valley, PA 19072 (US).

(74) Agent: COHEN, Mark, S.; Pearl Cohen Zedek Latzer, LLP, 10 Rockefeller Plaza, Suite 1001, New York, NY 10020 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

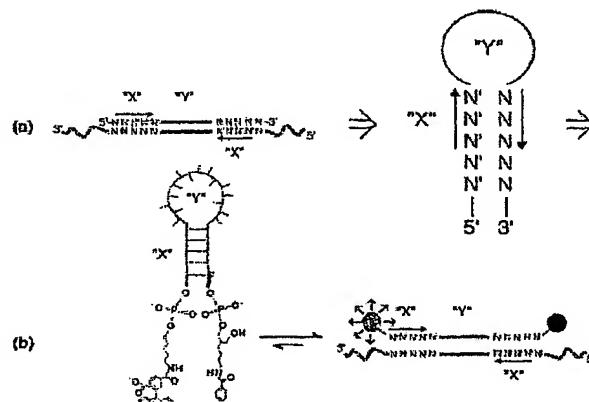
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF USE OF BCL-6-DERIVED NUCLEOTIDES TO INDUCE APOPTOSIS



WO 2005/092030 A2

(57) Abstract: This invention provides methods of inducing apoptosis in a bcl-6-expressing cell and methods of treating a subject with a cancer comprising a bcl-6-expressing cell, comprising administration of a composition that reduces the amount of the bcl-6 protein or of an mRNA molecule encoding same, a composition comprising a nucleic acid molecule complementary to or corresponding to a region of the mRNA molecule, or a vector expressing the nucleic acid molecule. In another embodiment, the present invention provides an isolated nucleic acid molecule having a sequence corresponding to or complementary to accessible regions of bcl-6 mRNA, and vectors, cells, compositions, and kits comprising same.

BEST AVAILABLE COPY